

Project Planning Phase

Project Planning Template(Product Backlog, Sprint Planning, Stories, Story points)

Domain	Artificial Intelligence
Team ID	PNT2022TMID06858
Project Name	Real-time Communication System Powered by AI for Specially Abled.
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation(4Marks)

Sprint	Functional Requirement(Epic)	User Story Number	User Story /Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	User registration can be done by entering email, password and confirm password.	20	High	Kamali, Maheswari, Akshaya Raj, Deepika
Sprint-2	Login	USN-2	User login can be done by entering email and password.	10	Medium	Kamali, Maheswari, Akshaya Raj, Deepika
Sprint-3	Upload image	USN-3	Uploading facility is done for uploading the sign language image.	20	Medium	Kamali, Maheswari, Akshaya Raj, Deepika
Sprint-4	Solution	USN-4	Helpdesk facility is done for resolving queries from the user.	20	Medium	Kamali, Maheswari, Akshaya Raj, Deepika

Project Tracker, Velocity & Burn down Chart: (4Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6Days	24Oct 2022	28Oct 2022	20	28Oct 2022
Sprint-2	15	6 Days	31Oct 2022	05Nov 2022	20	05Nov 2022
Sprint-3	20	7 Days	07Nov 2022	13Nov 2022	20	13Nov 2022
Sprint-4	20	6Days	14Nov 2022	19Nov 2022	20	19Nov 2022

Velocity:

Considering the sprint duration as 10 days, and the velocity of the team is 20(points per sprint),

Sprint 1 average velocity:

$$\text{Average velocity} = 20 / 6 = 3.3$$

Sprint2 average velocity:

$$\text{Average velocity} = 15 / 6 = 2.3$$

Sprint 3 average velocity:

$$\text{Average velocity} = 20 / 7 = 2.8$$

Sprint 4 average velocity:

$$\text{Average velocity} = 20 / 6 = 3.2$$

Burn-downChart:

